

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/576266
Source: DPWP
Date Processed by STIC: 3/21/07

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/576/266

CRF Edit Date: 3/21/07
Edited by: zue

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ ☒ Deleted: ☒ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWP

RAW SEQUENCE LISTING

DATE: 03/21/2007

PATENT APPLICATION: US/10/576,266

TIME: 16:13:25

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\03212007\J576266.raw

5 <110> APPLICANT: Deutsches Krebsforschungszentrum

9 <120> TITLE OF INVENTION: Use of ADAM 12 for diagnosis and therapy of preeclampsia

13 <130> FILE REFERENCE: DK62208PC

C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/576,266

C--> 17 <141> CURRENT FILING DATE: 2006-04-17

17 <150> PRIOR APPLICATION NUMBER: EP03023815.8

19 <151> PRIOR FILING DATE: 2003-10-17

23 <160> NUMBER OF SEQ ID NOS: 20

27 <170> SOFTWARE: PatentIn version 3.1

31 <210> SEQ ID NO: 1

33 <211> LENGTH: 5062

35 <212> TYPE: DNA

37 <213> ORGANISM: Homo sapiens

41 <220> FEATURE:

43 <221> NAME/KEY: CDS

45 <222> LOCATION: (307)..(3036)

47 <223> OTHER INFORMATION:

W--> 51 <400> 1

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56 ctttttttaa aatgaaaggc tagaagagct cagcggcggc gcgggccgtg cgcgagggct      180
58 ccggagctga ctcgccgagg caggaaatcc ctccggtcgc gacgcccggc cccgctcggc      240
60 gcccgcgtgg gatggtgcag cgctcgccgc cgggcccagag agctgctgca ctgaaggccg      300
62 gcgacg atg gca gcg cgc ccg ctg ccc gtg tcc ccc gcc cgc gcc ctc      348
63      Met Ala Ala Arg Pro Leu Pro Val Ser Pro Ala Arg Ala Leu
64      1          5          10
66 ctg ctc gcc ctg gcc ggt gct ctg ctc gcg ccc tgc gag gcc cga ggg      396
67 Leu Leu Ala Leu Ala Gly Ala Leu Leu Ala Pro Cys Glu Ala Arg Gly
68 15          20          25          30
70 gtg agc tta tgg aac caa gga aga gct gat gaa gtt gtc agt gcc tct      444
71 Val Ser Leu Trp Asn Gln Gly Arg Ala Asp Glu Val Val Ser Ala Ser
72          35          40          45
74 gtt cgg agt ggg gac ctc tgg atc cca gtg aag agc ttc gac tcc aag      492
75 Val Arg Ser Gly Asp Leu Trp Ile Pro Val Lys Ser Phe Asp Ser Lys
76          50          55          60
78 aat cat cca gaa gtg ctg aat att cga cta caa cgg gaa agc aaa gaa      540
79 Asn His Pro Glu Val Leu Asn Ile Arg Leu Gln Arg Glu Ser Lys Glu
80          65          70          75
82 ctg atc ata aat ctg gaa aga aat gaa ggt ctc att gcc agc agt ttc      588
83 Leu Ile Ile Asn Leu Glu Arg Asn Glu Gly Leu Ile Ala Ser Ser Phe
84          80          85          90
86 acg gaa acc cac tat ctg caa gac ggt act gat gtc tcc ctc gct cga      636
87 Thr Glu Thr His Tyr Leu Gln Asp Gly Thr Asp Val Ser Leu Ala Arg

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TIME: 16:13:25

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Output Set: N:\CRF4\03212007\J576266.raw

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94	gga tat tct gat tca gca gtc agt ctc agc acg tgt tct ggt ctc agg					732		
95	Gly Tyr Ser Asp Ser Ala Val Ser Leu Ser Thr Cys Ser Gly Leu Arg							
96		130		135		140		
98	gga ctt att gtg ttt gaa aat gaa agc tat gtc tta gaa cca atg aaa					780		
99	Gly Leu Ile Val Phe Glu Asn Glu Ser Tyr Val Leu Glu Pro Met Lys							
100		145		150		155		
102	agt gca acc aac aga tac aaa ctc ttc cca gcg aag aag ctg aaa agc					828		
103	Ser Ala Thr Asn Arg Tyr Lys Leu Phe Pro Ala Lys Lys Leu Lys Ser							
104		160		165		170		
106	gtc cgg gga tca tgt gga tca cat cac aac aca cca aac ctc gct gca					876		
107	Val Arg Gly Ser Cys Gly Ser His His Asn Thr Pro Asn Leu Ala Ala							
108	175		180		185	190		
110	aag aat gtg ttt cca cca ccc tct cag aca tgg gca aga agg cat aaa					924		
111	Lys Asn Val Phe Pro Pro Pro Ser Gln Thr Trp Ala Arg Arg His Lys							
112		195		200		205		
114	aga gag acc ctc aag gca act aag tat gtg gag ctg gtg atc gtg gca					972		
115	Arg Glu Thr Leu Lys Ala Thr Lys Tyr Val Glu Leu Val Ile Val Ala							
116		210		215		220		
118	gac aac cga gag ttt cag agg caa gga aaa gat ctg gaa aaa gtt aag					1020		
119	Asp Asn Arg Glu Phe Gln Arg Gln Gly Lys Asp Leu Glu Lys Val Lys							
120		225		230		235		
122	cag cga tta ata gag att gct aat cac gtt gac aag ttt tac aga cca					1068		
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124		240		245		250		
126	ctg aac att cgg atc gtg ttg gta ggc gtg gaa gtg tgg aat gac atg					1116		
127	Leu Asn Ile Arg Ile Val Leu Val Gly Val Glu Val Trp Asn Asp Met							
128	255		260		265	270		
130	gac aaa tgc tct gta agt cag gac cca ttc acc agc ctc cat gaa ttt					1164		
131	Asp Lys Cys Ser Val Ser Gln Asp Pro Phe Thr Ser Leu His Glu Phe							
132		275		280		285		
134	ctg gac tgg agg aag atg aag ctt cta cct cgc aaa tcc cat gac aat					1212		
135	Leu Asp Trp Arg Lys Met Lys Leu Leu Pro Arg Lys Ser His Asp Asn							
136		290		295		300		
138	gcg cag ctt gtc agt ggg gtt tat ttc caa ggg acc acc atc ggc atg					1260		
139	Ala Gln Leu Val Ser Gly Val Tyr Phe Gln Gly Thr Thr Ile Gly Met							
140		305		310		315		
142	gcc cca atc atg agc atg tgc acg gca gac cag tct ggg gga att gtc					1308		
143	Ala Pro Ile Met Ser Met Cys Thr Ala Asp Gln Ser Gly Gly Ile Val							
144		320		325		330		
146	atg gac cat tca gac aat ccc ctt ggt gca gcc gtg acc ctg gca cat					1356		
147	Met Asp His Ser Asp Asn Pro Leu Gly Ala Ala Val Thr Leu Ala His							
148	335		340		345	350		
150	gag ctg ggc cac aat ttc ggg atg aat cat gac aca ctg gac agg ggc					1404		
151	Glu Leu Gly His Asn Phe Gly Met Asn His Asp Thr Leu Asp Arg Gly							
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159	Ser	Thr	Gly	Tyr	Pro	Phe	Pro	Met	Val	Phe	Ser	Ser	Cys	Ser	Arg	Lys	
160			385					390					395				
162	gac	ttg	gag	acc	agc	ctg	gag	aaa	gga	atg	ggg	gtg	tgc	ctg	ttt	aac	1548
163	Asp	Leu	Glu	Thr	Ser	Leu	Glu	Lys	Gly	Met	Gly	Val	Cys	Leu	Phe	Asn	
164		400					405					410					
166	ctg	ccg	gaa	gtc	agg	gag	tct	ttc	ggg	ggc	cag	aag	tgt	ggg	aac	aga	1596
167	Leu	Pro	Glu	Val	Arg	Glu	Ser	Phe	Gly	Gly	Gln	Lys	Cys	Gly	Asn	Arg	
168	415				420						425				430		
170	ttt	gtg	gaa	gaa	gga	gag	gag	tgt	gac	tgt	ggg	gag	cca	gag	gaa	tgt	1644
171	Phe	Val	Glu	Glu	Gly	Glu	Glu	Cys	Asp	Cys	Gly	Glu	Pro	Glu	Glu	Cys	
172				435						440					445		
174	atg	aat	cgc	tgc	tgc	aat	gcc	acc	acc	tgt	acc	ctg	aag	ccg	gac	gct	1692
175	Met	Asn	Arg	Cys	Cys	Asn	Ala	Thr	Thr	Cys	Thr	Leu	Lys	Pro	Asp	Ala	
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178	gtg	tgc	gca	cat	ggg	ctg	tgc	tgt	gaa	gac	tgc	cag	ctg	aag	cct	gca	1740
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180			465				470						475				
182	gga	aca	gcg	tgc	agg	gac	tcc	agc	aac	tcc	tgt	gac	ctc	cca	gag	ttc	1788
183	Gly	Thr	Ala	Cys	Arg	Asp	Ser	Ser	Asn	Ser	Cys	Asp	Leu	Pro	Glu	Phe	
184		480					485					490					
186	tgc	aca	ggg	gcc	agc	cct	cac	tgc	cca	gcc	aac	gtg	tac	ctg	cac	gat	1836
187	Cys	Thr	Gly	Ala	Ser	Pro	His	Cys	Pro	Ala	Asn	Val	Tyr	Leu	His	Asp	
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191	Gly	His	Ser	Cys	Gln	Asp	Val	Asp	Gly	Tyr	Cys	Tyr	Asn	Gly	Ile	Cys	
192				515						520					525		
194	cag	act	cac	gag	cag	cag	tgt	gtc	aca	ctc	tgg	gga	cca	ggg	gct	aaa	1932
195	Gln	Thr	His	Glu	Gln	Gln	Cys	Val	Thr	Leu	Trp	Gly	Pro	Gly	Ala	Lys	
196				530					535					540			
198	cct	gcc	cct	ggg	atc	tgc	ttt	gag	aga	gtc	aat	tct	gca	ggg	gat	cct	1980
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203	Tyr	Gly	Asn	Cys	Gly	Lys	Val	Ser	Lys	Ser	Ser	Phe	Ala	Lys	Cys	Glu	
204		560					565					570					
206	atg	aga	gat	gct	aaa	tgt	gga	aaa	atc	cag	tgt	caa	gga	ggg	gcc	agc	2076
207	Met	Arg	Asp	Ala	Lys	Cys	Gly	Lys	Ile	Gln	Cys	Gln	Gly	Gly	Ala	Ser	
208	575					580					585				590		
210	cgg	cca	gtc	att	ggg	acc	aat	gcc	gtt	tcc	ata	gaa	aca	aac	atc	ccc	2124
211	Arg	Pro	Val	Ile	Gly	Thr	Asn	Ala	Val	Ser	Ile	Glu	Thr	Asn	Ile	Pro	
212				595					600						605		
214	ctg	cag	caa	gga	ggc	cgg	att	ctg	tgc	cgg	ggg	acc	cac	gtg	tac	ttg	2172
215	Leu	Gln	Gln	Gly	Gly	Arg	Ile	Leu	Cys	Arg	Gly	Thr	His	Val	Tyr	Leu	
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218	ggc	gat	gac	atg	ccg	gac	cca	ggg	ctt	gtg	ctt	gca	ggc	aca	aag	tgt	2220

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223	Ala	Asp	Gly	Lys	Ile	Cys	Leu	Asn	Arg	Gln	Cys	Gln	Asn	Ile	Ser	Val	
224			640					645					650				
226	ttt	ggg	gtt	cac	gag	tgt	gca	atg	cag	tgc	cac	ggc	aga	ggg	gtg	tgc	2316
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228	655					660					665					670	
230	aac	aac	agg	aag	aac	tgc	cac	tgc	gag	gcc	cac	tgg	gca	cct	ccc	ttc	2364
231	Asn	Asn	Arg	Lys	Asn	Cys	His	Cys	Glu	Ala	His	Trp	Ala	Pro	Pro	Phe	
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238	caa	gca	gat	aac	caa	ggg	tta	acc	ata	gga	att	ctg	gtg	acc	atc	ctg	2460
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240			705					710						715			
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243	Cys	Leu	Leu	Ala	Ala	Gly	Phe	Val	Val	Tyr	Leu	Lys	Arg	Lys	Thr	Leu	
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247	Ile	Arg	Leu	Leu	Phe	Thr	Asn	Lys	Lys	Thr	Thr	Ile	Glu	Lys	Leu	Arg	
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250	tgt	gtg	cgc	cct	tcc	cgg	cca	ccc	cgt	ggc	ttc	caa	ccc	tgt	cag	gct	2604
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259	Tyr	Pro	Pro	Lys	Asp	Asn	Pro	Arg	Arg	Leu	Leu	Gln	Cys	Gln	Asn	Val	
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262	gac	atc	agc	aga	ccc	ctc	aac	ggc	ctg	aat	gtc	cct	cag	ccc	cag	tca	2748
263	Asp	Ile	Ser	Arg	Pro	Leu	Asn	Gly	Leu	Asn	Val	Pro	Gln	Pro	Gln	Ser	
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267	Thr	Gln	Arg	Val	Leu	Pro	Pro	Leu	His	Arg	Ala	Pro	Arg	Ala	Pro	Ser	
268	815					820					825					830	
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271	Val	Pro	Ala	Arg	Pro	Leu	Pro	Ala	Lys	Pro	Ala	Leu	Arg	Gln	Ala	Gln	
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274	ggg	acc	tgt	aag	cca	aac	ccc	cct	cag	aag	cct	ctg	cct	gca	gat	cct	2892
275	Gly	Thr	Cys	Lys	Pro	Asn	Pro	Pro	Gln	Lys	Pro	Leu	Pro	Ala	Asp	Pro	
276				850					855					860			
278	ctg	gcc	aga	aca	act	cgg	ctc	act	cat	gcc	ttg	gcc	agg	acc	cca	gga	2940
279	Leu	Ala	Arg	Thr	Thr	Arg	Leu	Thr	His	Ala	Leu	Ala	Arg	Thr	Pro	Gly	
280			865					870						875			
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283	Gln	Trp	Glu	Thr	Gly	Leu	Arg	Leu	Ala	Pro	Leu	Arg	Pro	Ala	Pro	Gln	

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290 gaagccgaca ccttttttca acagtgaaga cagaagtttg cactatcttt cagctccagt      3096
292 tggagttttt tgtaccaact tttaggattt tttttaatgt ttaaaacatc attactataa      3156
294 gaactttgag ctactgccgt cagtgtctgt ctgtgctatg gtgctctgtc tacttgacac      3216
296 ggtacttgta aattattaat ttatgcagaa tgttgattac agtgcagtgc gctgtagtag      3276
298 gcatttttac catcactgag ttttccatgg caggaaggct tgttggtgctt ttagtatttt      3336
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324 tactgcaagg ttcaacttat taacaattag gcagactctt tatgcttgca aaaactacaa      4116
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352 gtaattgtac taaagccaaa catatatata ctattaaaaa ggtttacaga attttatggt      4956
354 gcattacgtg ggcattgtct ttttagatgc ccaaatcctt agatctggca tgttagccct      5016
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361 <211> LENGTH: 909
363 <212> TYPE: PRT
365 <213> ORGANISM: Homo sapiens
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376      20      25      30
379 Leu Trp Asn Gln Gly Arg Ala Asp Glu Val Val Ser Ala Ser Val Arg
380      35      40      45

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VERIFICATION SUMMARY

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Input Set : A:\pto.kd.txt

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:51 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:47
L:619 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:615

Raw Sequence Listing before editing (for reference only)



IFWP

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DATE: 03/16/2007

PATENT APPLICATION: US/10/576,266

TIME: 11:11:45

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\03162007\J576266.raw

5 <110> APPLICANT: Deutsches Krebsforschungszentrum
 9 <120> TITLE OF INVENTION: Use of ADAM 12 for diagnosis and therapy of preeclampsia
 13 <130> FILE REFERENCE: DK62208PC
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/576,266
 C--> 17 <141> CURRENT FILING DATE: 2006-04-17
 17 <150> PRIOR APPLICATION NUMBER: EP03023815.8
 19 <151> PRIOR FILING DATE: 2003-10-17
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ERRORED SEQUENCES

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Does Not Comply
Corrected Diskette Needed

(Pg. 1)

21

VERIFICATION SUMMARY

DATE: 03/16/2007

PATENT APPLICATION: US/10/576,266

TIME: 11:11:46

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\03162007\J576266.raw

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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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